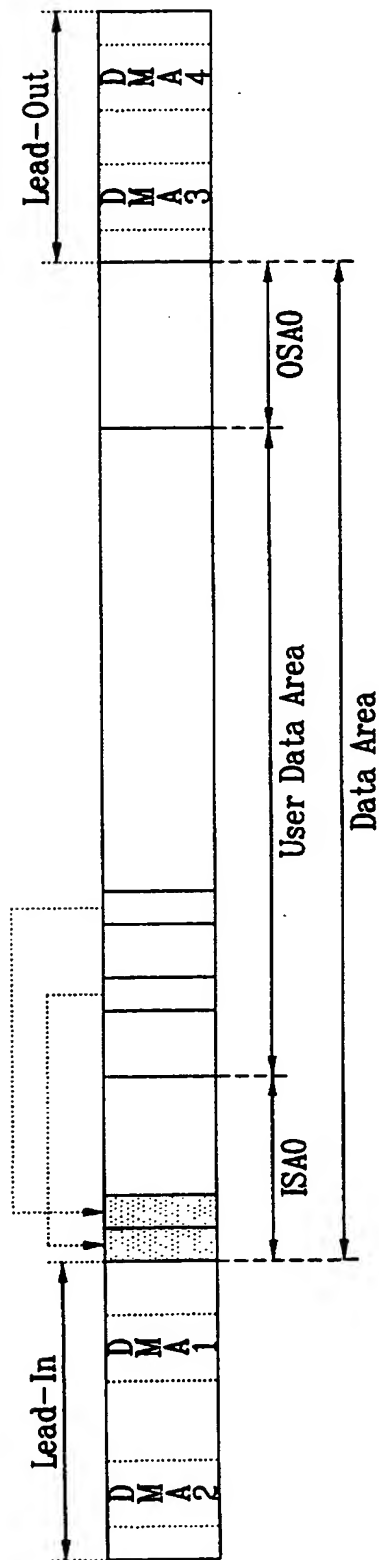


FIG. 1
Related Art

BD-RE Single Layer



- ISA : Inner Spare Area
- OSA : Outer Spare Area
- DMA : Defect management Area
- Defective cluster in User Data Area
- ▤ Replacement cluster in Spare Area

FIG. 2

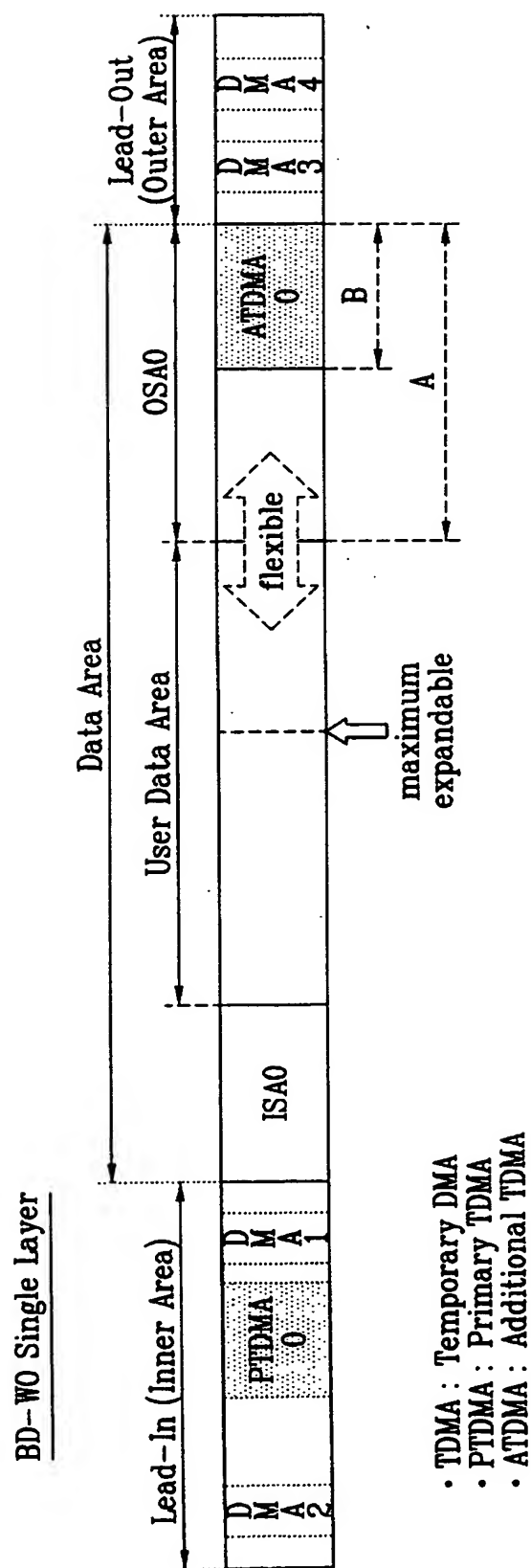


FIG. 3

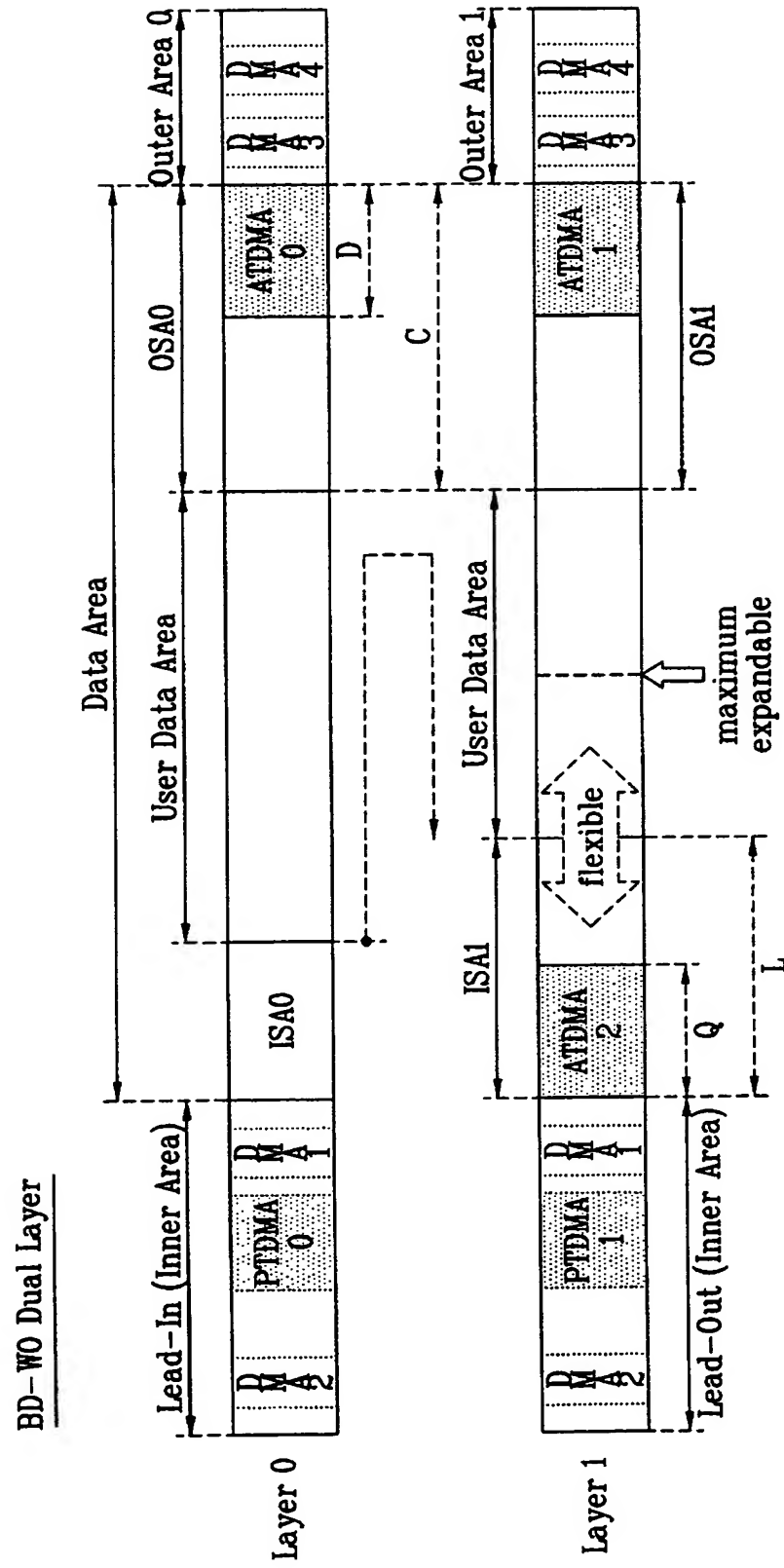


FIG. 4A

BD-WO Single Layer

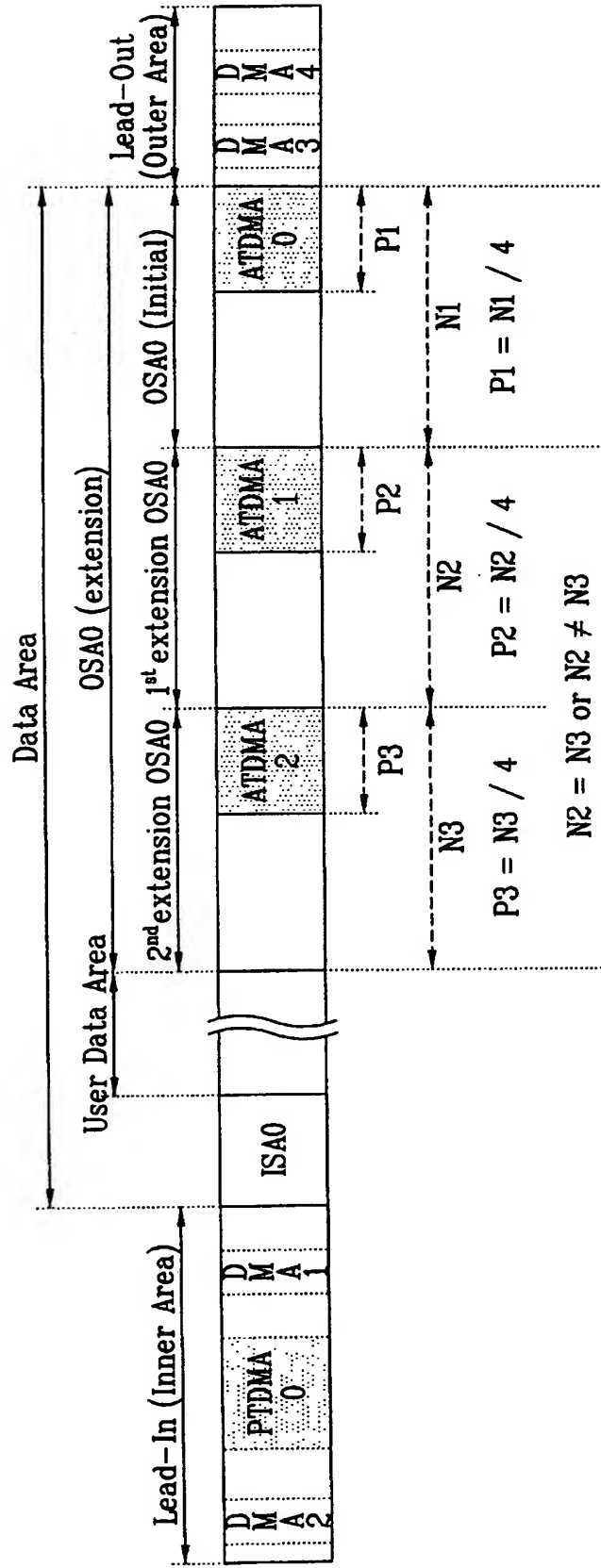


FIG. 4B

BD-WO Single Layer

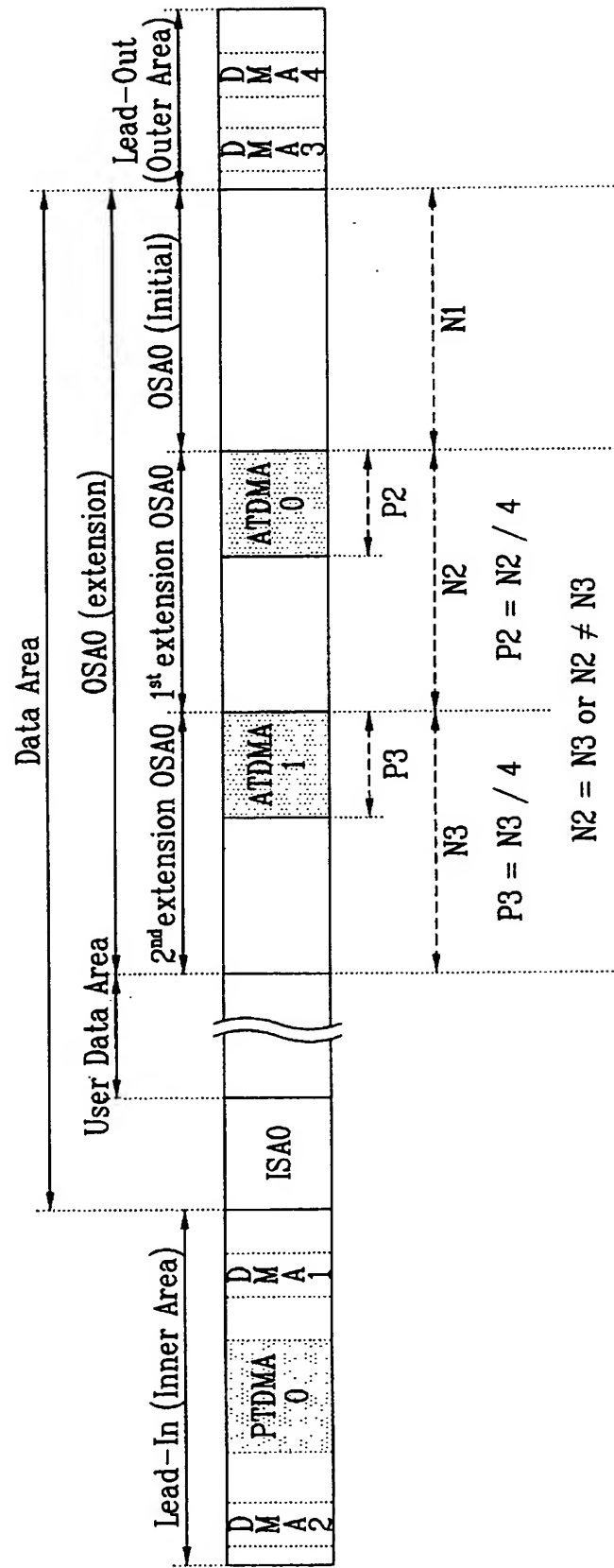


FIG. 4C

BD-WO Single Layer

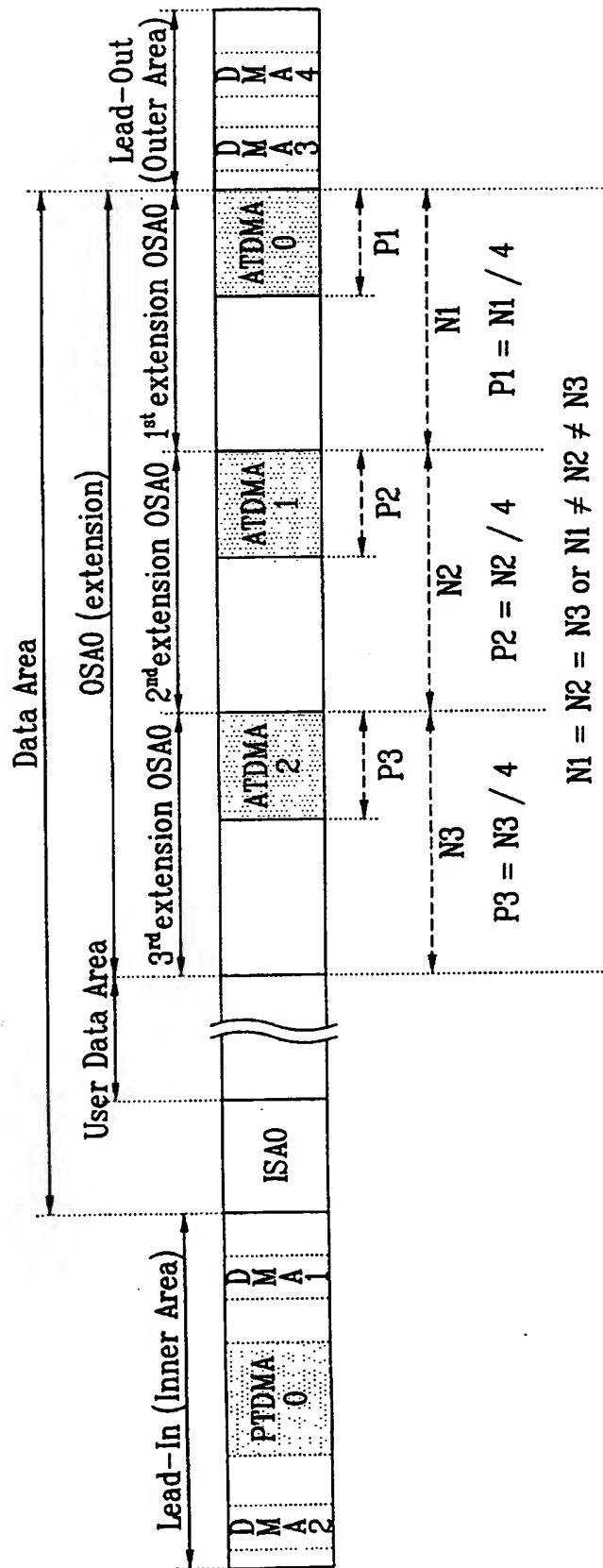


FIG. 5A

BD-WO Single Layer

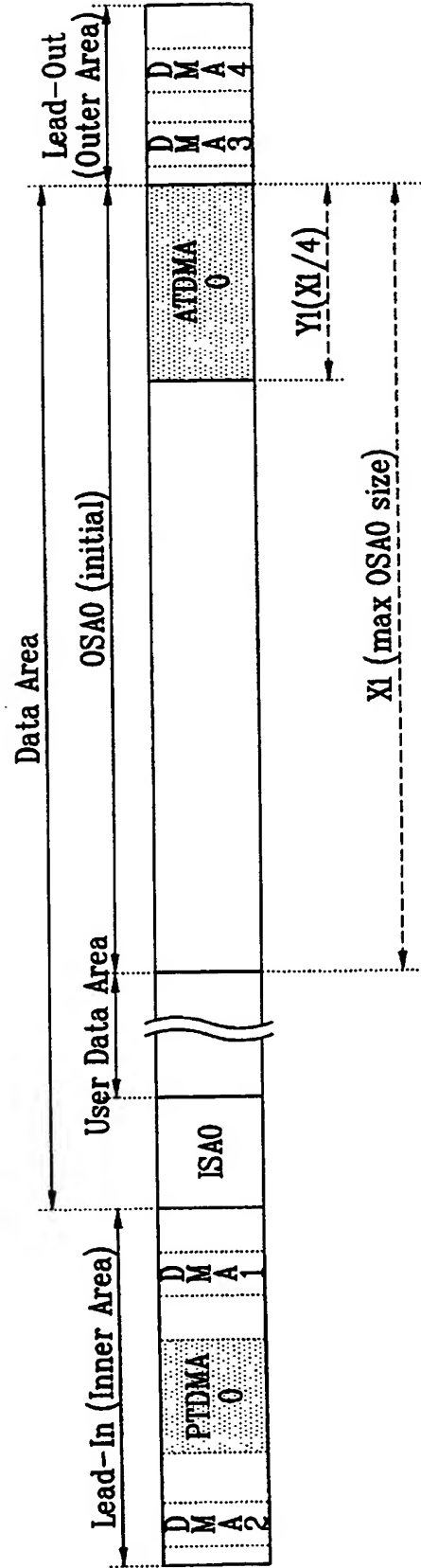


FIG. 5B

BD-WO Single Layer

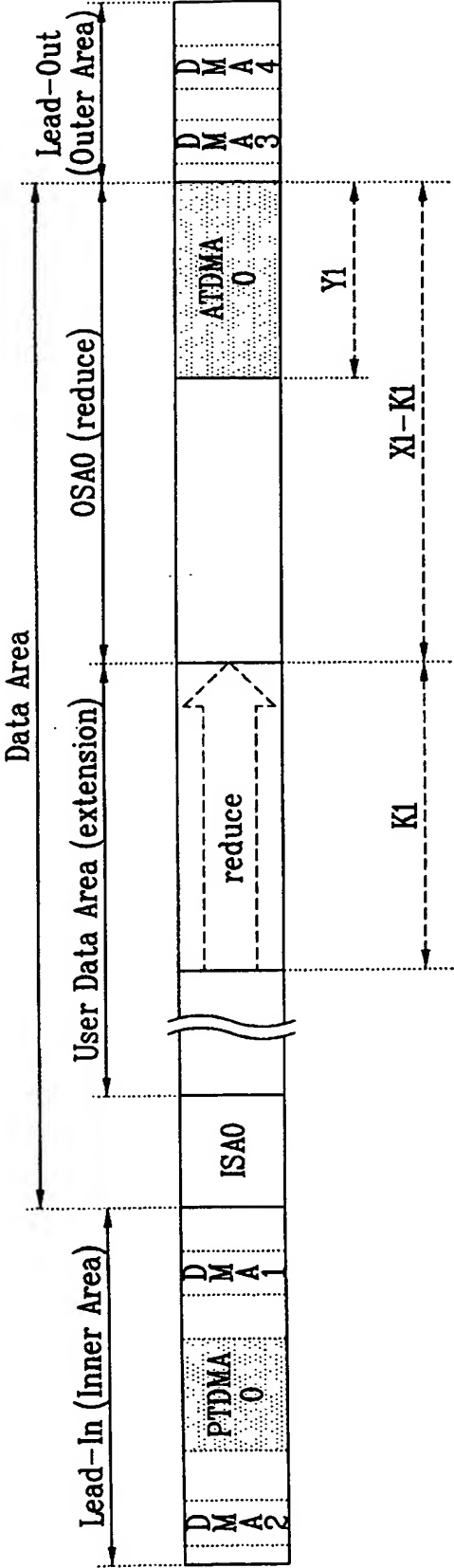


FIG. 6A

BD-WO Single Layer

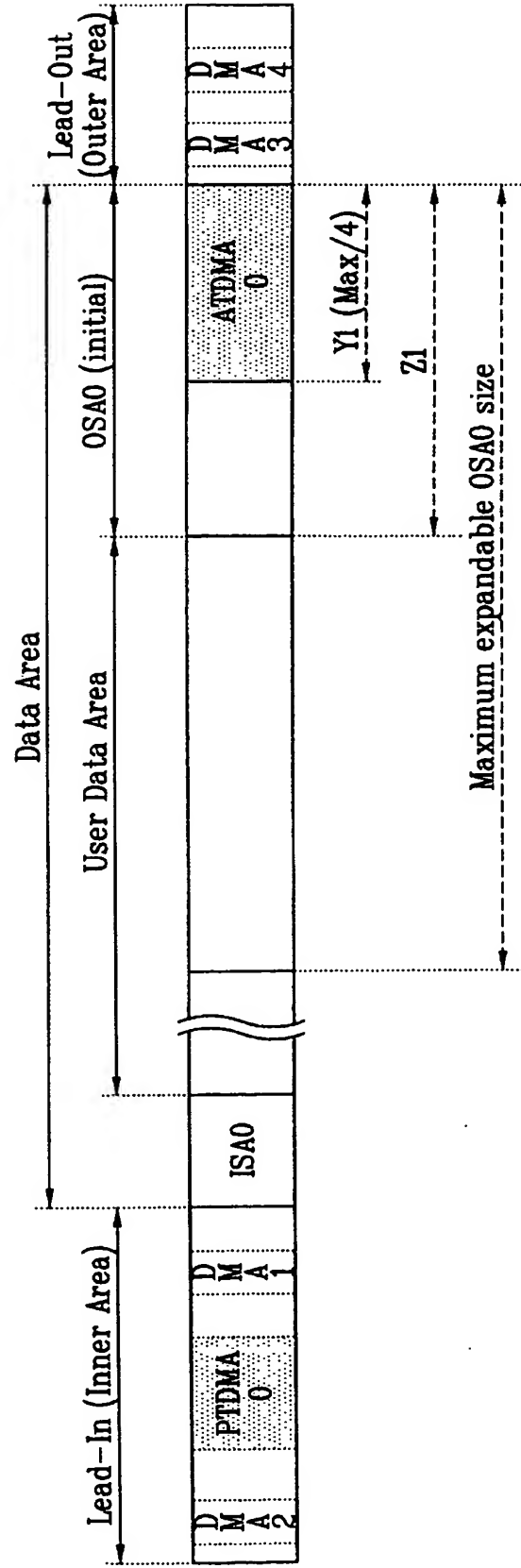


FIG. 6B

BD-WO Single Layer

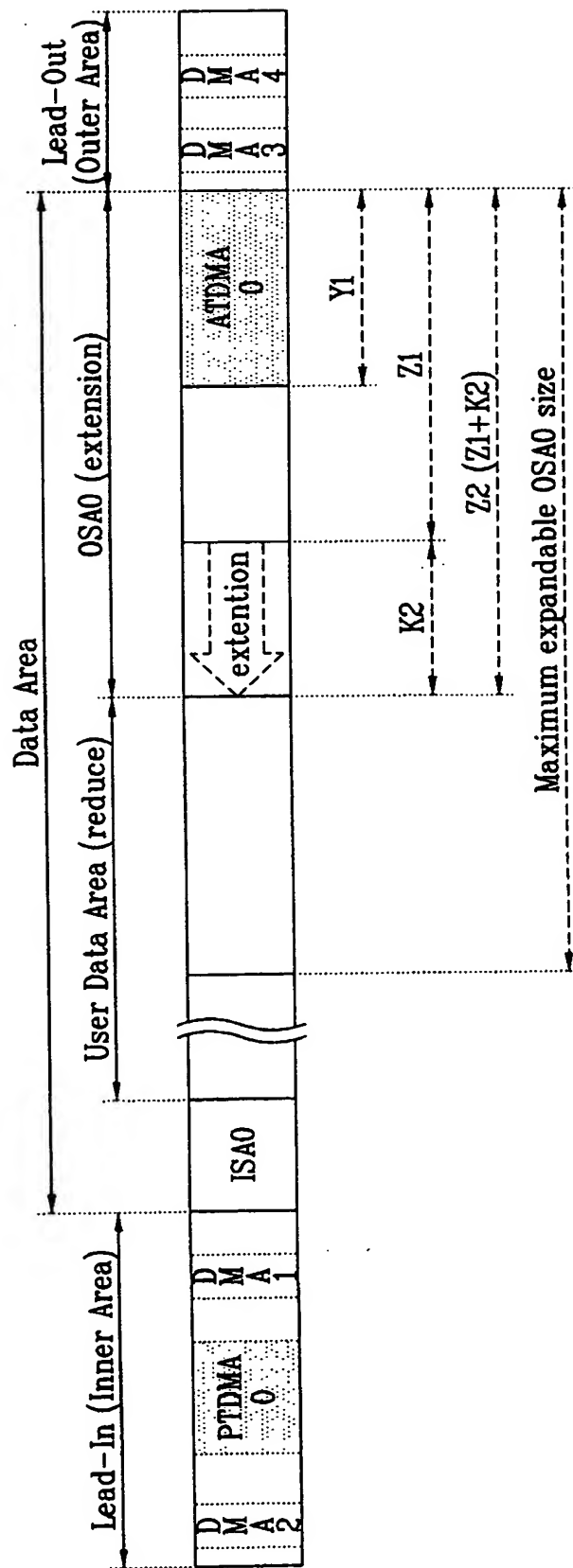


FIG. 7A

BD-WO Single Layer

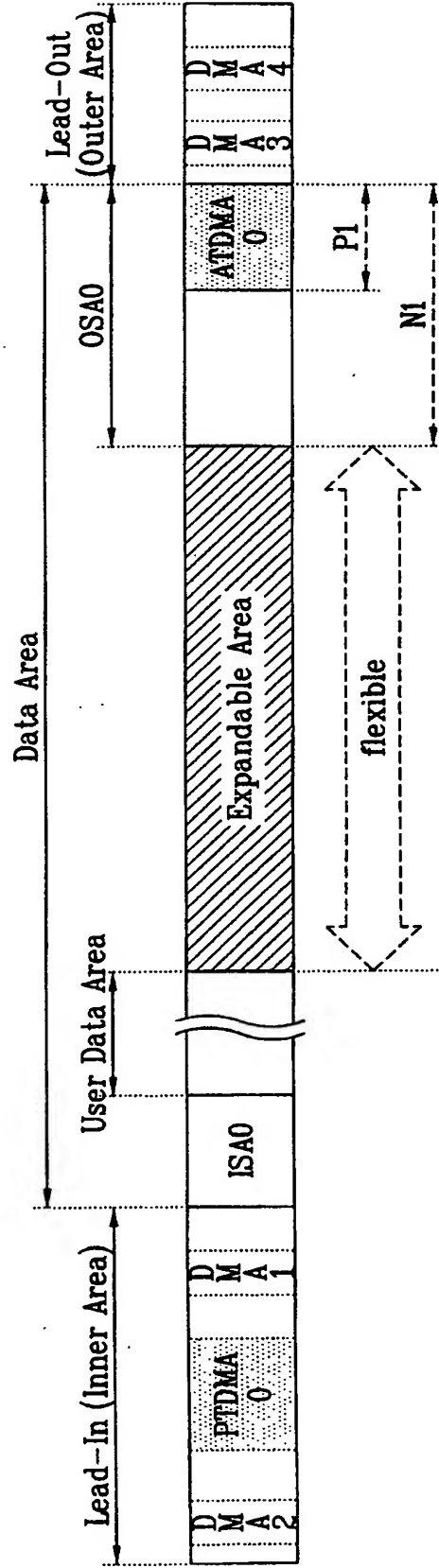


FIG. 7B

BD-WO Single Layer

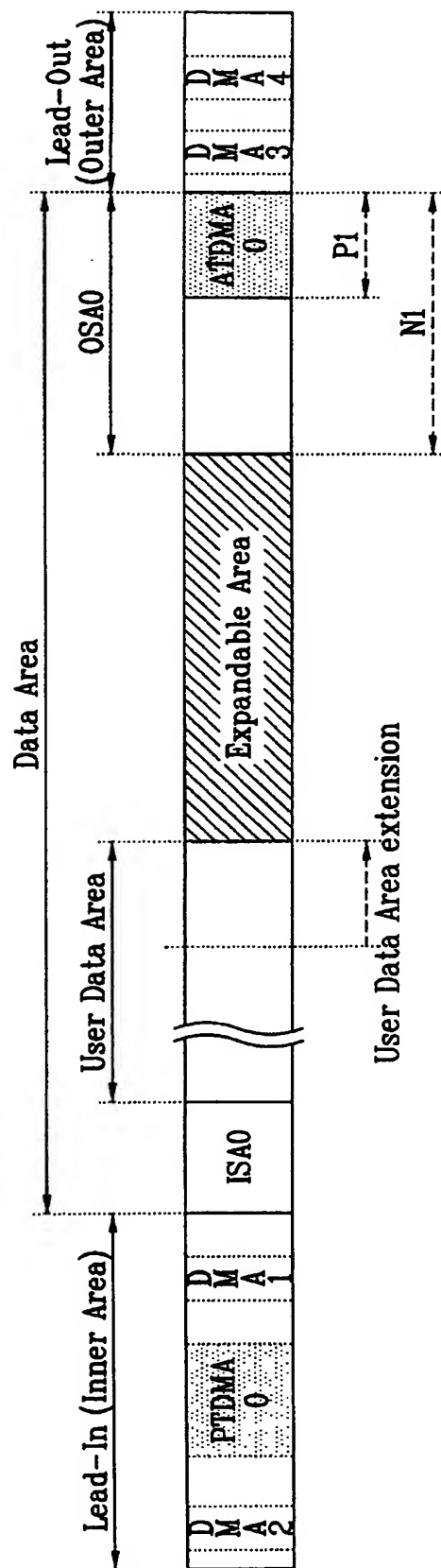


FIG. 7C

BD--W0 Single Layer

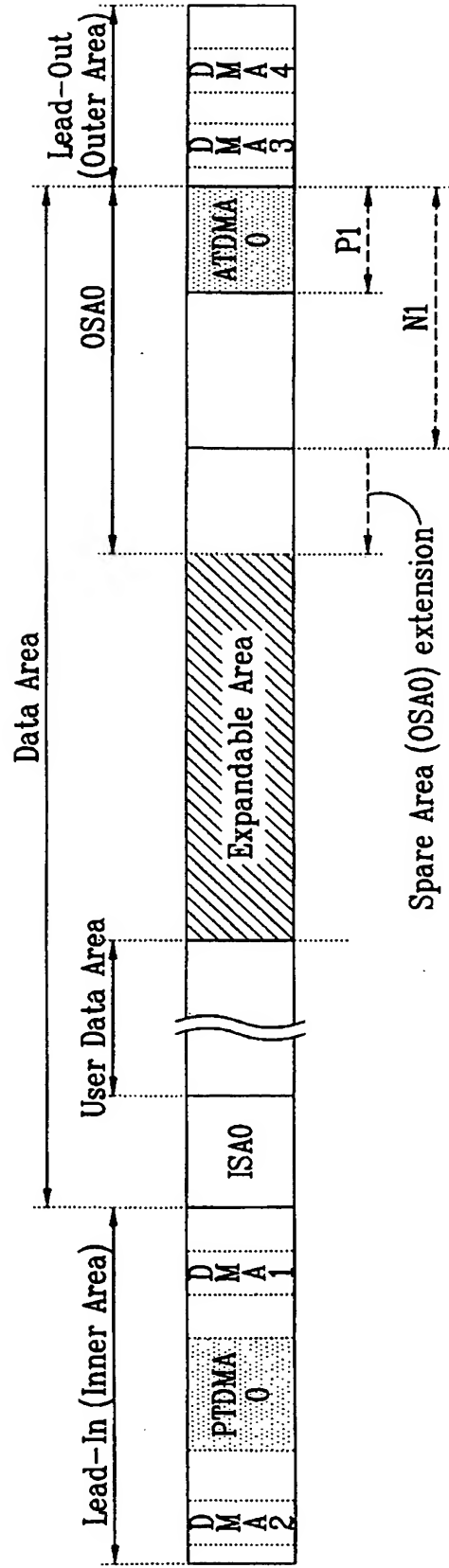


FIG. 7D

BD-WO Single Layer

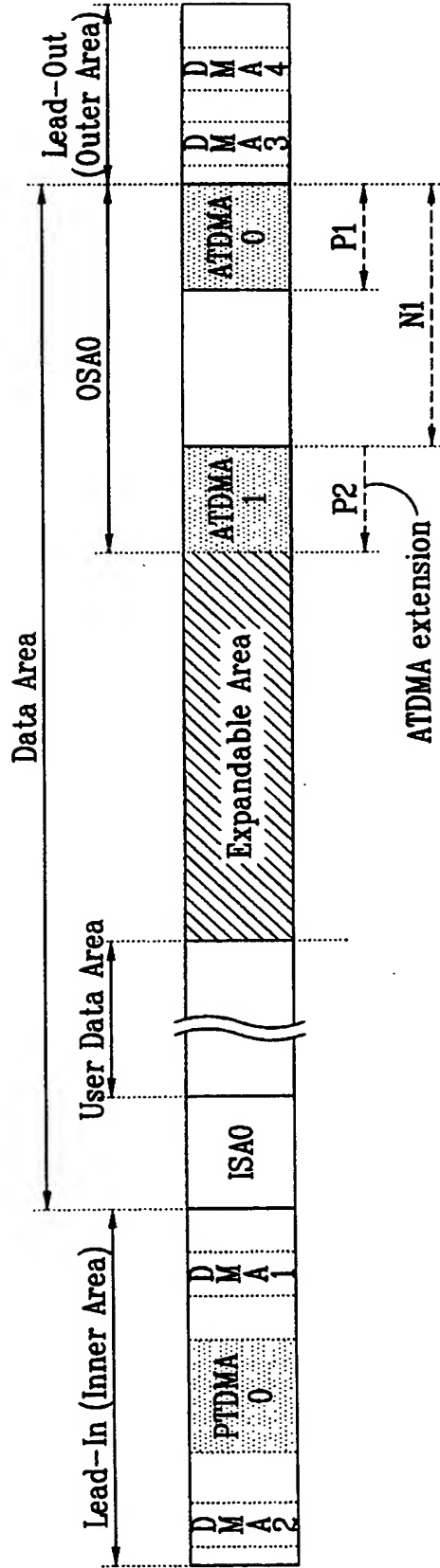


FIG. 8

